BRUHAT BENGALURU MAHANAGARA PALIKE
YELAHANKA ZONE

NAME OF WORK : Improvements to Roads and Drains at Bharathgowda layout and GKVK layout and surrounding areas at kempegowda ward no-01.

							Estimate Cost Rs.	49.00	Lakhs
Sl No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
1	KSRB 2-2.1 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1 5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1(a) / 2.3.5 SR 2018-19								
		Cum							
	New Drains								
	-		2	128.00	1.05	0.95	255.36		
			2	180.00	1.05	0.95	359.10		
	Culvert		3	8.00	1.65	1.20	47.52		
							661.98	**316.94**	**209808.00**
	Basic Rate Rs	299.00							
	Add Area Weightage @ 6%	17.94							
	Total	**316.94**							
2	KSRB4 1.3: Providing and laying position plain cement concrete of Mix 1:4:8 with OPC cement @180Kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85 cum and fine aggregtes @ 0.57 cum machine mixed , concrete laid in layers not exeecding 15 cms, thick, well compacted , in foundation , including cost of all materials, Labour , HOM of Machinery, Curing complete as per Specifications. Specifications No. KBS 4.1, 4.2 (P12/4.3). SR 2018-19								
			2	128.00	1.05	0.15	40.32		
			2	180.00	1.05	0.15	56.70		
	Culvert		3	8.00	1.65	0.15	5.94		
							102.96	5408.12	**556820.00**
	Basic Rate	5102.00							
	Area Weightage @ 6%	306.12							
	Total	**5408.12**							
3	Providing and laying Plain /reinforced cement concrete for side drains wall and bottom thickness 15cm using M20 nominal mix concrete with OPC cement at 300kg with 20mm and down size granite metal coarse aggregate at 0.69 cum and fine aggregate at 0.43 cum machine mixed well compacted for walls at bottom including centring shuttering cost of materials HOM of machineries curing etc completeexcluding cost of steel as per MORTH specification No.1500,1700,2200 Page No 271 Ite mo 37.59.2 SR 2018-19 (wall and bottom thickness 15cm.								
		Cum							
	Bottom raft								
			2	128.00	0.75	0.15	28.80		
			2	180.00	0.75	0.15	40.50		
	Culvert		3	8.00	1.50	0.15	5.40		
	Side wall								
	New Drains								
			4	128.00	0.15	0.60	46.08		
			4	180.00	0.15	0.60	64.80		
	Culvert		6	8.00	0.25	0.80	9.60		
						Total	**195.18**	7070.20	**1379962.00**
	Basic Rate	6670.00							
	Add Area Weightage @ 6%	400.20							
	Total	**7070.20**							

Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
3 4 9.2:providing T.M.T steel reinforcement for R.C C work including straightening, cutting, ing, hooking, placing in position, lapping and / or welding wherever required, tying with ng wire and anchoring to the adjoining members wherever necessary complete as per gn (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, / of machinery complete as per specifications. Specification No. TMT bars Fe 500 KBS 3 Page No. 18/ Item No. 4.46/ PWD SR 2018-19								
	Tonne							
Drain 50kg/cum		1	180.18	50.00		9009.00		
culvert 60kg/cum		1	15.00	60.00		900.00		
Total						**9909.00**		
						9.91	75223.96	**745394.00**
Basic Rate	70966 00							
Add Area Weightage @ 6%	4257.96							
Total	**75223.96**							
upplying and fixing **precast** rainforced concrete slab 10cm thick including cost of reinforcement s per design and drawing material cost, transportation, hire charges of machinery, machine utting the vertical face to get plain even surface stc., complete with all leads and lift conveyance charges, labour charges inclusive of cost of all materials.(Drain covering slab)								
	Sqm							
		2	128.00	'0.75		192.00		
		2	180.00	0.75		270.00		
					Total	**462.00**	2337.00	**1079694.00**
Data rate	2337.00							
Providing precast slab of 250 mm thick including cost of all materials, labour, curing,transportation,loading ,unloading,etc.,complete as per the direction of engineer in charge-								
	Sqm							
		3	8.00	1.50		36.00		
						36.00	5418.00	**195048.00**
Data rate	5418.00							
Providing and fixing pre cast solid cement concrete kerb stones made out of C.C 1:2:4 with top and bottom width 114 and 165mm repectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including formwork curing, including, cost of all materials, labour hire charges of machinery, loading unloading, lead and lift, transportation etc, complete. Page No. 27/ Item No. 5 30/ SR 2018-19								
	No							
		1	110.00			110.00		
						110.00		
			No of kerb stone			244.44		
					Say	244.00	432.48	**105525.00**
Basic Rate	408.00							
Area Weightage @ 6%	24.48							
Total	**432.48**							
8 KSRB 15-19.1 : Providing and applying ready mix priming coat over concrete / masonry / asbestos cement sheet / plastered surfaces including preparing the surface after thoroughly cleaning of oil, grease, dirt and other foreign matter, and sand papering including cost of materials, labour, complete as per specifications. Item no 15.80 SR 2018-19								
	sqm							
-		1	110.00		0.40	44.00		

Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
						44.00	39.22	1726.00
Basic Rate	37.00							
Area Weightage @ 6%	2.22							
Total	**39.22**							
RRB 800-1. Painting two coats after filling the surface with synthetic enamel paint in approved des on new plastered concrete surfaces, with materials, labour complete as per cifications. MORTH Chapter 8 Item no 24.1 SR 2018-19								
	sqm							
						Qty vide Item No.18	44.00	84.80	3731.00
Basic Rate	80.00							
Area Weightage @ 6%	4.80							
Total	**84.80**							
SRRB M100-1 Loading and Unloading of Stone Boulder / Stone aggregate /sand/kaner/ loorum KSRRB M100-1 Placing tipper at loading point, loading with front end loader, dumping, rning for return trip, excluding time for haulage and return trip complete as per specifications IORTH -100/ Chapter 1 (Page No.133/ Item No 17.1) SR 2018-19								
	Cum							
						Qty Vide Item No.1	661.98	87.56	57960.00
Basic Rate for loading and unloading	57.00							
Basic Rate for Haulage upto 8.00 k.m =1.28 X 2.50 X 8	25.60							
Basic Rate	82.60							
Area Weightage 6%	4.96							
Grand Total	87.56							
							Sub total	**4335668.00**
GST of 12% as per Govt Letter No PWD 65 RDF 2017 Dated 11-10-2018								**520280.16**
DPR and PMC charges 1%								43356.68
Miscellaneous and unforeseen charges	Ls							695.16
							Total Ammount Rs.	**4900000.00**

(Rupees Fourty Nine Lakhs only)

RTIFICATE

) The site has been inspected and the work is found to be necessary.
2 The rates adopted are as per PW,P IWTD SR of 2018-19
3) The provisions were made in this estimate are necessary and adequate.
4) The area comes under the Bruhat Bengaluru Mahanagara Palike Limits.
5) This work is not repeated in any other programs or Grants

Assistant Engineer
Ward No.1

Executive Engineer
Yelahanka-Division
B.B.M.P

Assistant Executive Engineer
Yelahanka Sub-Division
B.B.M.P

Administrative Approval

Accorded For RS.49: Wlalcheary
Head of A/C...P.3521
CER NO :AS/66/18-19 Dt:07.12.18

TA CE (YNK)

Technical Sanction

Accorded For RS.49: Wlalcheary
Head of A/C P.3521.....
CER NO TS/129/18-19 Dt:07.12.18

TA CE (YNK)

150 - YELAHANKA AC

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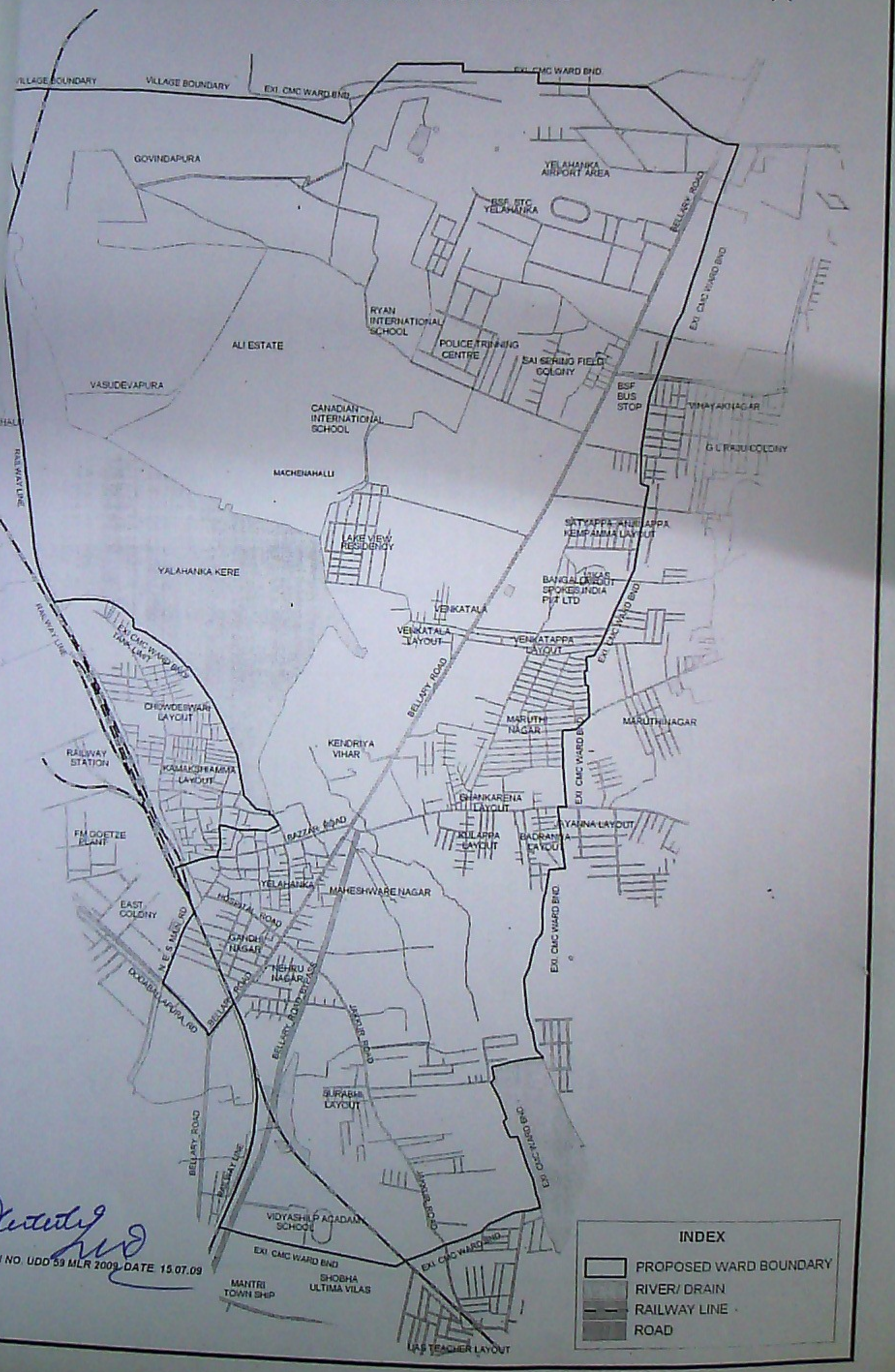
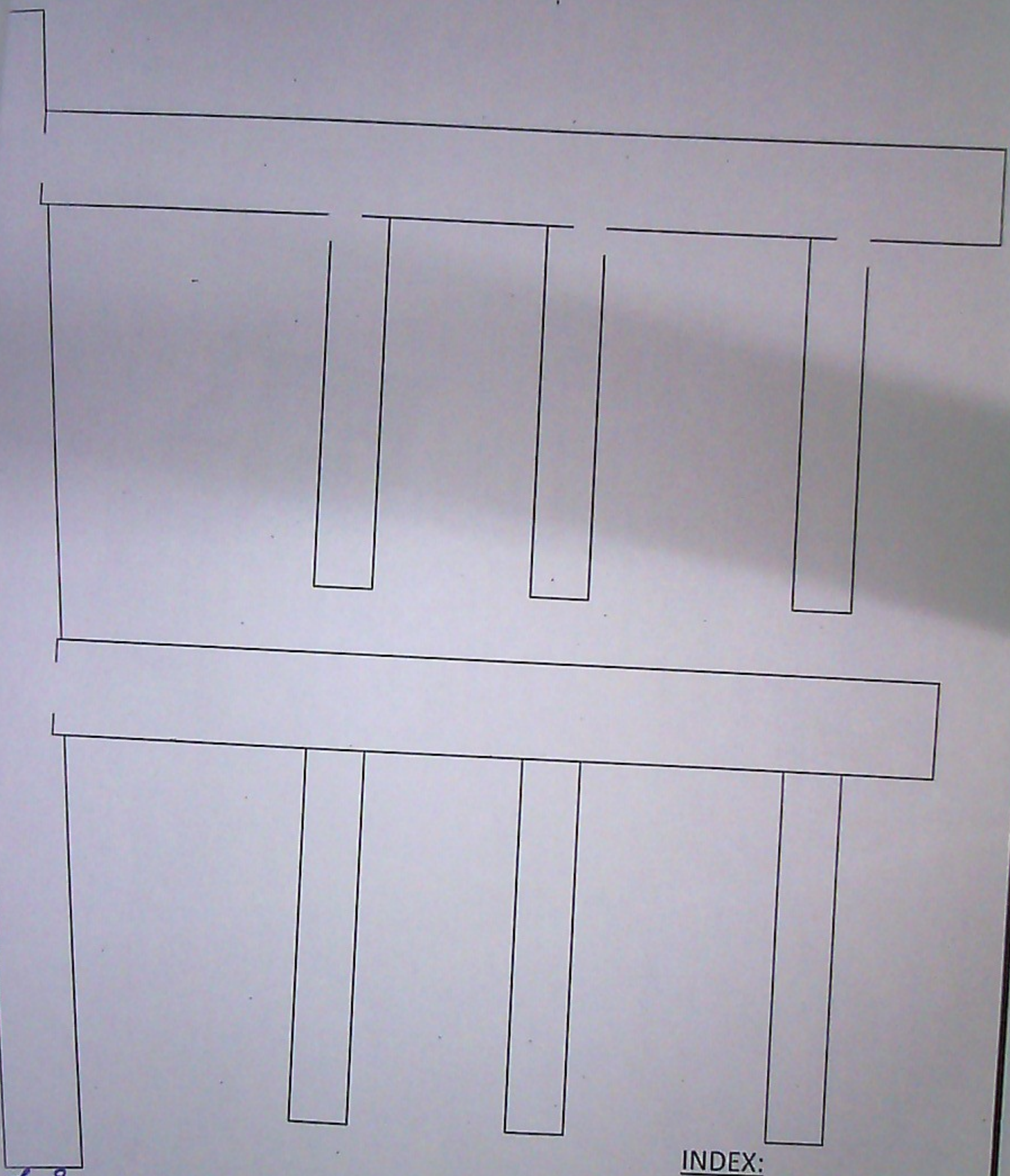
BRUHAT BANGALORE MAHANAGAR PALIKE
WARD: 1- KEMPEGOWDA WARD



CATION NO. UDD 59 MLR 2009, DATE 15.07.09

of work : Improvements to roads and drains at Bharathgowda layout
VK layout and surrounding areas in Kempegowda ward no - 01



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BRUHAT BENGALURU MAHANAGARA PALIKE
YELAHANKA ZONE

ORK : Improvements to Roads and Drains at Jayamuninagara and surrounding areas in kempegowda ward no-01.

						Estimate Cost Rs.	49.00	Lakhs
Description of Item	**Unit**	**No.**	**L**	**B**	**D**	**Qty.**	**Rate**	**Amount**
2.1 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and l conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not ng 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking avated soil clear from edges of excavation with lead upto 50 m. after breaking of clods te as per specifications. specification No. KBS 2.1(a) / 2 3.5 SR 2018-19								
	Cum							
for RCC drain								
		2	150.00	1.05	0.95	299.25		
		2	157.30	1.05	0.95	313.81		
Culvert		4	8.00	1.65	1.20	63.36		
						676.42	**316.94**	**214386.00**
Basic Rate Rs	299.00							
Add Area Weightage @ 6%	17.94							
Total	**316.94**							
SRB4.1.3: Providing and laying position plain cement concrete of Mix 1:4:8 with OPC cement 180Kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85 cum and ne aggregtes @ 0.57 cum machine mixed , concrete laid in layers not exeecding 15 cms, thick, ell compacted , in foundation , including cost of all materials, Labour , HOM of Machinery, Curing complete as per Specifications. Specifications No. KBS 4.1, 4.2 (P12/4.3). SR 2018-19								
for RCC drain								
		2	150.00	1.05	0.15	47.25		
		2	157.30	1.05	0.15	49.55		
Culvert		4	8.00	1.65	0.15	7.92		
						104.72	5408.12	**566336.00**
Basic Rate	5102.00							
Area Weightage @ 6%	306.12							
Total	**5408.12**							
Providing and laying Plain /reinforced cement concrete for side drains wall and bottom thickness 15cm using M20 nominal mix concrete with OPC cement at 300kg with 20mm and down size granite metal coarse aggregate at 0.69 cum and fine aggregate at 0.43 cum machine mixed well compacted for walls at bottom including centring shuttering cost of materials HOM of machineries curing etc.completeexcluding cost of steel as per MORTH specification No.1500,1700,2200 Page No 271 Ite mo 37.59.2 SR 2018-19 (wall and bottom thickness 15cm.								
	Cum							
Bottom raft								
for RCC drain								
		2	150.00	0.75	0.15	33.75		
		2	157.30	0.75	0.15	35.39		
Culvert		4	8.00	1.50	0.15	7.20		
Side wall								
New Drains								
		4	150.00	0.15	0.60	54.00		
		4	157.30	0.15	0.60	56.63		
Culvert		8	8.00	0.25	0.80	12.80		
					Total	**199.77**	7070.20	**1412417.00**
Basic Rate	6670.00							
Add Area Weightage @ 6%	400.20							

Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
Total	**7070.20**							
KSRB 4.9.2 providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications. Specification No. TMT bars Fe 500 KBS 4.6.3 Page No. 18/ Item No. 4.46/ PWD SR 2018-19								
	Tonne							
for Drain 50kg/cum		1	179.77	50.00		8988.53		
for culvert 60kg/cum		1	20.00	60.00		1200.00		
Total						**10188.53**		
						10.19	75223.96	**766421.00**
Basic Rate	70966.00							
Add Area Weightage @ 6%	4257.96							
Total	**75223.96**							
6 Supplying and fixing **precast** rainforced concrete slab 10cm thick including cost of reinforcement as per design and drawing material cost, transportation, hire charges of machinery, machine cutting the vertical face to get plain even surface stc., complete with all leads and lift conveyance charges, labour charges inclusive of cost of all materials.(Drain covering slab)								
	Sqm							
		2	150.00	0.75		225.00		
		2	151.00	0.75		226.50		
					Total	**451.50**	2337.00	**1055156.00**
Data rate	2337.00							
7 Providing precast slab of 250 mm thick including cost of all materials, labour, curing,transportation,loading ,unloading,etc.,complete as per the direction of engineer in charge-								
-	Sqm							
		4	8.00	1.50		48.00		
						48.00	5418.00	**260064.00**
Data rate	5418.00							
9 KSRRB M100-1 Loading and Unloading of Stone Boulder / Stone aggregate /sand/kaner/ Moorum KSRRB M100-1 Placing tipper at loading point, loading with front end loader, dumping, turning for return trip, excluding time for haulage and return trip complete as per specifications MORTH -100/ Chapter 1 (Page No.133/ Item No 17.1) SR 2018-19								
	Cum							
			Qty Vide Item No.1			**676.42**	87.56	**59225.00**
Basic Rate for loading and unloading	57.00							
Basic Rate for Haulage upto 8.00 k.m =1.28 X 2.50 X 8	25.60							
Basic Rate	82.60							
Area Weightage 6%	4.96							
Grand Total	87.56							

Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
S/T @ 12% as per Govt Letter No PWD 65 RDF 2017 Dated 11-10-2018						Sub total		4334005.00
DR and PMC charges 1%								520080.60
Miscellaneous and unforeseen charges	Ls							43340 05
								2574 35
						Total Ammount Rs.		4900000.00

(Rupees Fourty Nine Lakhs only)

CERTIFIED

The site has been inspected and the work is found to be necessary.

The rates adopted are as per PWD SR of 2018-19

The provisions were made in this estimate are necessary and adequate.

The area comes under the Bruhat Bengaluru Mahanagara Palike Limits.

This work is not repeated in any other programs or Grants

Assistant Engineer
Ward No.1

Executive Engineer
Yelahanka-Division
B.B.M.P

Assistant Executive Engineer
Yelahanka Sub-Division
B.B.M.P

Administrative Approval

Accorded For RS 49: 20 lacs only
Head of A/C 2 3521
CER NO : 67 Dt: 07.12.18

TA CE (YNK)

Technical Sanction

Accorded For RS 49: 20 lacs only
Head of A/C 2 3521
CER NO : TS/130/18-19 Dt: 07.12.18

TA CE (YNK)

BRUHAT BANGALORE MAHANAGAR PALIKE
WARD: 1- KEMPEGOWDA WARD

150 - YELAHANKA AC

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- PROPOSED WARD BOUNDARY
- RIVER/ DRAIN
- RAILWAY LINE
- ROAD

NOTIFICATION NO. UDD 59 MLR 2009, DATE. 15.07.09